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OK nucleic - nucleic search, using sw model

Run on: December 8, 2001, 19:38:26 ; Search time 70.08 Seconds
(without alignments)
12804.022 Million cell updates/sec

File: US-08-153-397a-1
Perfect score: 3962
Sequence: 1 CGGGCCTGAGACTGGGTGA.....AAAAAAAAACCGGATTC 3962

Scoring table: IDENTITY_NUC 1
Gapop 10.0, Gapext 1.0

Searched: 351203 segs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database: Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCRNUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3962	100.0	3962	1	US-08-336-343A-1
2	3451	87.1	3637	1	US-08-445-640-3
3	3451	87.1	3637	3	US-08-170-558-3
4	3451	87.1	3637	3	US-08-447-314-3
5	3451	87.1	3637	3	US-08-445-613-3
6	1192.2	30.1	1197	1	US-08-445-640-7
7	1192.2	30.1	1197	3	US-08-170-558-7
8	1192.2	30.1	1197	3	US-08-447-314-7
9	1192.2	30.1	1197	3	US-08-445-613-7
10	642	16.2	3157	1	US-08-336-343A-3
11	642	16.2	3157	1	US-08-336-343A-5
12	639.8	16.1	3157	1	US-08-456-647B-19
13	639.8	16.1	3157	1	US-08-237-401A-19
14	182.2	4.6	2820	1	US-08-286-305A-4
15	182.2	4.6	2820	2	US-08-441-104A-4
16	182.2	4.6	2820	2	US-08-440-816A-4
17	182.2	4.6	2820	4	US-09-417-381A-4
18	180.6	4.6	2301	1	US-08-306-691B-23
19	180.6	4.6	2301	5	PCT-US93-06251-78
20	180.6	4.6	3060	1	US-08-286-305A-6
21	180.6	4.6	3060	2	US-08-441-104A-6
22	180.6	4.6	3060	2	US-08-440-816A-6
23	180.6	4.6	3060	4	US-09-417-381A-6
24	180.6	4.6	3194	2	US-08-359-705B-1
25	180.6	4.6	3194	2	US-08-286-846A-1
26	180.6	4.6	3194	2	US-08-457-880A-1
27	180.6	4.6	3194	3	US-08-444-622A-1

28	180.6	4.6	3194	3	US-08-942-562-1	Sequence 1, Appl1
29	180.6	4.6	3194	1	US-09-156-923-1	Sequence 1, Appl1
30	180.6	4.6	3707	1	US-08-271-454-1	Sequence 1, Appl1
31	180.6	4.6	3707	5	PCT-US95-08180-1	Sequence 1, Appl1
32	178.6	4.5	2526	1	US-07-912-952-1	Sequence 1, Appl1
33	178.6	4.5	2940	1	US-08-286-305A-8	Sequence 8, Appl1
34	178.6	4.5	2940	2	US-08-441-104A-8	Sequence 8, Appl1
35	178.6	4.5	2940	2	US-08-440-816A-8	Sequence 8, Appl1
36	178.6	4.5	2940	4	US-09-417-381A-8	Sequence 8, Appl1
37	163	4.1	2463	1	US-08-339-578-1	Sequence 1, Appl1
38	158	4.0	4092	2	US-08-469-537A-106	Sequence 106, App
39	147.2	3.7	3398	5	PCT-US95-08493-12	Sequence 12, Appl1
40	139	3.5	2208	5	PCT-US95-08493-18	Sequence 1, Appl1
41	139	3.5	2580	5	PCT-US95-08493-20	Sequence 18, Appl1
42	139	3.5	2604	5	PCT-US95-08493-20	Sequence 1, Appl1
43	138.4	3.5	2376	1	US-07-912-952-3	Sequence 3, Appl1
44	135.2	3.4	4149	2	US-08-737-715-1	Sequence 1, Appl1
45	130.4	3.3	2869	1	US-08-374-834-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-336-343A-1
Sequence 1, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
TITLE OF INVENTION: CK-2, A No. 5677144e1 Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3962 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 321..3077
US-08-336-343A-1
Query Match 100.0%; Score 3962; DB 1; Length 3962;
Best Local Similarity 100.0%; Pred. No. 0;

	Matches 3962;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	CGGACCTTGAGACTGGGGGTGACTGGGACCTTAAGAGATCTCGACTGAGAGCCCGGACAG	60						
Db	1	CGGGCTTGAGACTGGGGGTGACTGGGACCTTAAGAGATCTCGACTGAGAGCCCGGACAG	60						
QY	61	CTGCTCTGGGAGACCGGCTCCGACACCCGAGCCCGGGGCGCTCCGCTCCGGCTC	120						
Db	61	CTGCTCTGGGAGACCGGCTCCGACACCCGAGCCCGGGGCGCTCCGCTCCGGGCTC	120						
QY	121	CGGGCTCGGGGCTCCCTCCGCTCCCGCCCTCGCCCGCCCGGAGAGAGCCCGCT	180						
Db	121	CGGGCTCGGGGCTCCCTCCGCTCCCGCCCTCGCCCGCCCGGAGAGAGCCCGCT	180						
QY	181	CCCGGGTCGGAGCGCCTGGGCTGCGGGAGAGCGATGAGAGTGTCTGAAGTGGCTAT	240						
Db	181	CCCGGGTCGGAGCGCCTGGGCTGCGGGAGAGCGATGAGAGTGTCTGAAGTGGCTAT	240						
QY	241	TCAGTAGCGGATGGGGTGTGACTTTAAGGAATGCCAGAGATGCTGCCGCCCTTA	300						
Db	241	TCAGTAGCGGATGGGGTGTGACTTTAAGGAATGCCAGAGATGCTGCCGCCCTTA	300						
QY	301	GGCCCGGAGGATCAGAGAGCTATGGGACCAAGAGCCCTGTCTATTACTGCTGCTCT	360						
Db	301	GGCCCGGAGGATCAGAGAGCTATGGGACCAAGAGCCCTGTCTATTACTGCTGCTCT	360						
QY	361	TGCTGGCAAGTGGAGATGTGATGATGAAGGGGACATTTGATCTTCGCAAGTCCGCTATG	420						
Db	361	TGCTGGCAAGTGGAGATGTGATGATGAAGGGGACATTTGATCTTCGCAAGTCCGCTATG	420						
QY	421	CCCTGGGACATGACAGACCGGACATCCCAAGACATGACATCTCTTCCAGCTCTGCT	480						
Db	421	CCCTGGGACATGACAGACCGGACATCCCAAGACATGACATCTCTTCCAGCTCTGCT	480						
QY	481	CAGATTCCACTCTCCCGCCGACACAGAGTTGGAGACAGATGACGGGATGGGGCTGCT	540						
Db	481	CAGATTCCACTCTCCCGCCGACACAGAGTTGGAGACAGATGACGGGATGGGGCTGCT	540						
QY	541	GGCCCGGAGGCTCGGCTGTTCCCAAGGAGGAGGAGTACTTCAGAGTGGATCTACAACAC	600						
Db	541	GGCCCGGAGGCTCGGCTGTTCCCAAGGAGGAGGAGTACTTCAGAGTGGATCTACAACAC	600						
QY	601	TCACACTGTGTGCTGTGGTGGGACCCAGGAGACGGCATGCGGGGGCTTGGAAGAGT	660						
Db	601	TCACACTGTGTGCTGTGGTGGGACCCAGGAGACGGCATGCGGGGGCTTGGAAGAGT	660						
QY	661	TCTCCCGGAGCTTACCGGTGGGTACTCCCGGATGCTCCCGCTGGATGGGCTGGAAGG	720						
Db	661	TCTCCCGGAGCTTACCGGTGGGTACTCCCGGATGCTCCCGCTGGATGGGCTGGAAGG	720						
QY	721	ACCGTGGGGTCAGAGAGTGTCTCAGGACATGAGAGACCTCGAGGAGTGGTGGTGAAGG	780						
Db	721	ACCGTGGGGTCAGAGAGTGTCTCAGGACATGAGAGACCTCGAGGAGTGGTGGTGAAGG	780						
QY	781	ACCTTGGGCCCCCAGTGGTCCCGACTGTGCTTACCCCCCGGGCTACCCGGGTCA	840						
Db	781	ACCTTGGGCCCCCAGTGGTCCCGACTGTGCTTACCCCCCGGGCTACCCGGGTCA	840						
QY	841	TGAGTGTCTGTCTGGGGTAAAGTCTATGAGTCTCTTGAAGGAGTGAAGTCTCTGCTT	900						
Db	841	TGAGTGTCTGTCTGGGGTAAAGTCTATGAGTCTCTTGAAGGAGTGAAGTCTCTGCTT	900						
QY	901	ACACGCGCCCTGTGGGGGAGACATGATTTATGTGAGGGCGGTGTACTCAACAGCTCA	960						
Db	901	ACACGCGCCCTGTGGGGGAGACATGATTTATGTGAGGGCGGTGTACTCAACAGCTCA	960						
QY	961	CCATATGAGGACATACCGTGGGCGAGCTGAGTATGGGGGTCTGGGCGACGCTGGCAGATG	1020						
Db	961	CCATATGAGGACATACCGTGGGCGAGCTGAGTATGGGGGTCTGGGCGACGCTGGCAGATG	1020						
QY	1021	GTGTGTGGGGCTGGATGACTTTAGGAAGAGTCAAGAGCTGGGGGTCTGGCCAGGCTATG	1080						
Db	1021	GTGTGTGGGGCTGGATGACTTTAGGAAGAGTCAAGAGCTGGGGGTCTGGCCAGGCTATG	1080						

QY	1081	ACTATGTGTGGATGAGACACACACAGCTTCTCCAGTGGCTATGTGGAGATGAGATTGACT	1144
Db	1081	ACTATGTGTGGATGAGACACACACAGCTTCTCCAGTGGCTATGTGGAGATGAGATTGACT	1144
QY	1141	TTGACCGGTGAGGGGCGCTCCAGGCTATGAGAGGGTCCACTATACACATGACACAGCTGG	1200
Db	1141	TTGACCGGTGAGGGGCGCTCCAGGCTATGAGAGGGTCCACTATACACATGACACAGCTGG	1200
QY	1201	GAGCCGCTGTGCGCTGAGCGGGGTGAAATGTGCTTCGGGCTGGCCCTGGCATAGGCTGGG	1266
Db	1201	GAGCCGCTGTGCGCTGAGCGGGGTGAAATGTGCTTCGGGCTGGCCCTGGCATAGGCTGGG	1266
QY	1261	AGGGGAGCCCATGCGCCACACCTAGGGGGCAACCTGGGGGAGCCCGAGAGCCCGGGCTG	1320
Db	1261	AGGGGAGCCCATGCGCCACACCTAGGGGGCAACCTGGGGGAGCCCGAGAGCCCGGGCTG	1320
QY	1321	TTCTAGTCCCCCTTGGGGGCGGTGTGGCTTGTGCATTCGCTCCCTCTCTTGGCG	1380
Db	1321	TTCTAGTCCCCCTTGGGGGCGGTGTGGCTTGTGCATTCGCTCCCTCTCTTGGCG	1380
QY	1381	GGCCTGTGTACTGCTTCGAGCAATTCCTCATCTCTGATGTGGAGCAATTCCTCTC	1444
Db	1381	GGCCTGTGTACTGCTTCGAGCAATTCCTCATCTCTGATGTGGAGCAATTCCTCTC	1444
QY	1441	CGGCACTGGAGGACCTTCCCGACGCCCTGTGTGGCGGCTTGCCACCTCCACCA	1500
Db	1441	CGGCACTGGAGGACCTTCCCGACGCCCTGTGTGGCGGCTTGCCACCTCCACCA	1500
QY	1501	ACTTAGACGCTTGGAGCTGGAGCCCAAGAGGCCAGAGCCCGTGGCCAGAGCCCGAGGGGA	1566
Db	1501	ACTTAGACGCTTGGAGCTGGAGCCCAAGAGGCCAGAGCCCGTGGCCAGAGCCCGAGGGGA	1566
QY	1561	GCCGACCGGCATCTGATGGGCTGGTGGGCAATTCCTGTCGTCGTCATCA	1620
Db	1561	GCCGACCGGCATCTGATGGGCTGGTGGGCAATTCCTGTCGTCGTCATCA	1620
QY	1621	TTGCGCTATGCTGTGGCGGCTGCACTGGGCGAGGCTCCTCAAGCAAGCTGAAAGGAGGG	1680
Db	1621	TTGCGCTATGCTGTGGCGGCTGCACTGGGCGAGGCTCCTCAAGCAAGCTGAAAGGAGGG	1680
QY	1681	TGTTGGAAAGAGACTACAGGTTCACTCTCTCTCTCCCTGGGACATATCTCATCAACA	1740
Db	1681	TGTTGGAAAGAGACTACAGGTTCACTCTCTCTCTCCCTGGGACATATCTCATCAACA	1740
QY	1741	ACCGCCAGAGCTCTAGAGAGACCAACCCCGTACAGGAGGCCCGGGGCTGTGGGAATCCGC	1800
Db	1741	ACCGCCAGAGCTCTAGAGAGACCAACCCCGTACAGGAGGCCCGGGGCTGTGGGAATCCGC	1800
QY	1801	CCCACTCGGCTCCCTGTGTGCCCAATAGGCTCTGCTGTGCTTCAATCAGCGCTAC	1866
Db	1801	CCCACTCGGCTCCCTGTGTGCCCAATAGGCTCTGCTGTGCTTCAATCAGCGCTAC	1866
QY	1861	GCTTCCTTCTGACACTTACGCCCGTCCCTTGAGGCCGGGGCCCGCCACACCGGCT	1920
Db	1861	GCTTCCTTCTGACACTTACGCCCGTCCCTTGAGGCCGGGGCCCGCCACACCGGCT	1920
QY	1921	GGGGCAAAACCAACACACCAAGCGCTACAGTGGGAGCTATATGAGGCTTGAAAGCCAG	1980
Db	1921	GGGGCAAAACCAACACACCAAGCGCTACAGTGGGAGCTATATGAGGCTTGAAAGCCAG	1980
QY	1981	GGCGCCGCTTGTGCGCCCACTCCCGAAGACGCTCCCGCATTAATGCCGAGGCTGACA	2040
Db	1981	GGCGCCGCTTGTGCGCCCACTCCCGAAGACGCTCCCGCATTAATGCCGAGGCTGACA	2040
QY	2041	TTGTATACCTTCGAGGGGCTACCGGGGGCAACCTATGCTGTGCTGACTGCCCCAG	2100
Db	2041	TTGTATACCTTCGAGGGGCTACCGGGGGCAACCTATGCTGTGCTGACTGCCCCAG	2100
QY	2101	GGGAGTCTGGGAGTGGGGCCCCCGAGAGTGGATTTCCTCGATCTGACTCCGCTTCAAG	2160
Db	2101	GGGAGTCTGGGAGTGGGGCCCCCGAGAGTGGATTTCCTCGATCTGACTCCGCTTCAAG	2160

OY	2161	AGAACTGGGAGGAGGCCAGTTTGGGGAGGTGCACACTGTGTGAGTGCAACGCCCTCAG	2220
Db	2161	AGAACTTGGCGAAGGGCCAGTTTGGGAGGTGCACCTGTGTGAGTGCAAGCCCTCAG	2220
OY	2221	ATCTGTCACTTCATTGATTTCCCCCTTAATGAGCGCTAAAGGGACACCCTTGGTGGTACTG	2280
Db	2221	ATCTGTCACTTCATTGATTTCCCCCTTAATGTGGCTAAAGGGACACCCTTGGTGGTACTG	2280
OY	2281	TCAAAGATCTTAGCGCCACAGATGCCACCAAGAATGCCACTTCTCCTGTTCACAGAAATG	2340
Db	2281	TCAAAGATCTTAGCGCCACAGATGCCACCAAGAATGCCACTTCTCCTGTTCACAGAAATG	2340
OY	2341	ATTTCCTGAAGAAGGTAAABATCATGTGCGAGGCTCAAGAGACCCCAATCATTCGCTGC	2400
Db	2341	ATTTCCTGAAGAAGGTAAABATCATGTGCGAGGCTCAAGAGACCCCAATCATTCGCTGC	2400
OY	2401	TGGCGCTGTGTGTGCAGAGACAGCCCCTCTGCATGATTACTGACTACATGAGAAAGCGG	2460
Db	2401	TGGCGCTGTGTGTGCAGAGACAGCCCCTCTGCATGATTACTGACTACATGAGAAAGCGG	2460
OY	2461	ACCTCAACCAAGTTCCTCATGTGCCAACCAAGCTGAGAGCAAGAGACCGAGGGGCCCTG	2520
Db	2461	ACCTCAACCAAGTTCCTCATGTGCCAACCAAGCTGAGAGCAAGAGACCGAGGGGCCCTG	2520
OY	2521	GGGACGGGGCAGSGCTGGCGAGAGGGGCCACCATCATGCTACCCAATGTCTGCATGTGGAG	2580
Db	2521	GGGACGGGGCAGSGCTGGCGAGAGGGGCCACCATCATGCTACCCAATGTCTGCATGTGGAG	2580
OY	2581	CCCGATTCGCGCTCCGGCATCGCTATCTGGCCACACCTTGTACAATCGGGAGCTGG	2640
Db	2581	CCCGATTCGCGCTCCGGCATCGCTATCTGGCCACACCTTGTACAATCGGGAGCTGG	2640
OY	2641	CCACGCGGAACCTGCTAGTTGGGGAAAAATTCCACATCAAAATCGAGACTTTGGCATGA	2700
Db	2641	CCACGCGGAACCTGCTAGTTGGGGAAAAATTCCACATCAAAATCGAGACTTTGGCATGA	2700
OY	2701	GCCGGAAACCTCATGCTGGGGACATTATCCGTGTGCAGGGCCGGGACAGTGTGCCCATCC	2760
Db	2701	GCCGGAAACCTCATGCTGGGGACATTATCCGTGTGCAGGGCCGGGACAGTGTGCCCATCC	2760
OY	2761	GCTGATGTGCGCTGGAGATGCATCCCTATGGGGAAGTTCACACATGGGAGTGAAGTGTGG	2820
Db	2761	GCTGATGTGCGCTGGAGATGCATCCCTATGGGGAAGTTCACACATGGGAGTGAAGTGTGG	2820
OY	2821	CCTTGTGTGACCCCTGTGGAGTGTCTATGCTCTGTGAAGGCCACGCCCTTTGGGCACG	2880
Db	2821	CCTTGTGTGACCCCTGTGGAGTGTCTATGCTCTGTGAAGGCCACGCCCTTTGGGCACG	2880
OY	2881	TCACGACACAGACAGTTCATGCAAGAACCGCGGGGAGTTCTTCCGGGACACAGGCCCGGACAG	2940
Db	2881	TCACGACACAGACAGTTCATGCAAGAACCGCGGGGAGTTCTTCCGGGACACAGGCCCGGACAG	2940
OY	2941	TGTACCTGTCCGGCGCGCTGCTGCCAGGGCTATATGAGCTGATGCTTCCGTGCT	3000
Db	2941	TGTACCTGTCCGGCGCGCTGCTGCCAGGGCTATATGAGCTGATGCTTCCGTGCT	3000
OY	3001	GGAGCCGGGAGTGTGAGCAGCACCACTTTTCCAGGTGCATCGGTTCCGGGAGAG	3060
Db	3001	GGAGCCGGGAGTGTGAGCAGCACCACTTTTCCAGGTGCATCGGTTCCGGGAGAG	3060
OY	3061	ATGCACTCAACACGGTGTGAATTCACACATCGAGTCCGCTCCCTCAGGAGATGATCCAG	3120
Db	3061	ATGCACTCAACACGGTGTGAATTCACACATCGAGTCCGCTCCCTCAGGAGATGATCCAG	3120
OY	3121	GGGAAGCCAGTACACTAAAACAAAGAGACAAATGGCACTCTGCTCCCTTCCCTCCGA	3180
Db	3121	GGGAAGCCAGTACACTAAAACAAAGAGACAAATGGCACTCTGCTCCCTTCCCTCCGA	3180
OY	3181	CAGCCCATACCTTAATAGAGGCGAGTAGAGATGAGGTGGGCTGGGCCAACCAAGGAG	3240
Db	3181	CAGCCCATACCTTAATAGAGGCGAGTAGAGATGAGGTGGGCTGGGCCAACCAAGGAG	3240
OY	3241	CTGATGCCCTTCTCCCTTCCCTGGACACACTCTCATGTCCCTTCCCTTCTTCTTCC	3300

Db	3241	CTGATGCCCTTCTCCCTTCTCTGAGACACTGTCANGTCCCTTCTTCTGCTTCC	3300
Qy	3301	TGAAAGCCCTTCTGCCACCACCTGCTCTGTGGATGGGATCCTTCACCTCTCT	3366
Db	3301	TGAAAGCCCTTCTGCCACCACCTGCTCTGTGGATGGGATCCTTCACCTCTCT	3366
Qy	3361	AGCCATCCCTTGGGAAAGGTGGGAGAAATATATGATATAGACTGAGACATGGCCCATTG	3422
Db	3361	AGCCATCCCTTGGGAAAGGTGGGAGAAATATATGATATAGACTGAGACATGGCCCATTG	3422
Qy	3421	GAGACCTGGGCCCTCAGTCGACAACTGATTCCTGGAGAGTGGCTGGCCACAGCTTC	3488
Db	3421	GAGACCTGGGCCCTCAGTCGACAACTGATTCCTGGAGAGTGGCTGGCCACAGCTTC	3488
Qy	3481	TCTTCCTCGTCACACACTGGAACCCCACTGGCTGAGAAATGTGGGGGTGAGAGACAGA	3540
Db	3481	TCTTCCTCGTCACACACTGGAACCCCACTGGCTGAGAAATGTGGGGGTGAGAGACAGA	3540
Qy	3541	AGGAGAGGAAATGTTTCCTTGTGCTGCTCCTGTAATTTGCTCAGCTTGGGCTTCTC	3600
Db	3541	AGGAGAGGAAATGTTTCCTTGTGCTGCTCCTGTAATTTGCTCAGCTTGGGCTTCTC	3600
Qy	3601	CTCTCTCACTACCTGAAACACTGAGCTGGGGGTAGGCCGCCGACCCCTCAGTACCC	3660
Db	3601	CTCTCTCACTACCTGAAACACTGAGCTGGGGGTAGGCCGCCGACCCCTCAGTACCC	3660
Qy	3661	CCACTTCCACTGTGAGTCTGTATGCTAGAACTTCTTAAGCTTAATGCTTCTGTGAG	3720
Db	3661	CCACTTCCACTGTGAGTCTGTATGCTAGAACTTCTTAAGCTTAATGCTTCTGTGAG	3720
Qy	3721	TAAATATTGGGATTTGGGGGGAAGAGGAGCAACGGCCCATAGCTTGGGGTTGGACATC	3780
Db	3721	TAAATATTGGGATTTGGGGGGAAGAGGAGCAACGGCCCATAGCTTGGGGTTGGACATC	3780
Qy	3781	TCTATGTAGCTGCCACATGATTTTTCTATTAATCACTTGGGGTTGTACATTTTTGGG	3840
Db	3781	TCTATGTAGCTGCCACATGATTTTTCTATTAATCACTTGGGGTTGTACATTTTTGGG	3840
Qy	3841	GGAGAGACACGATTTTACACTAATATATGAGCAAGCTTGAAGCAATTTAATCCCT	3900
Db	3841	GGAGAGACACGATTTTACACTAATATATGAGCAAGCTTGAAGCAATTTAATCCCT	3900
Qy	3901	GCACTAGGCAAGTAAATAATAAGGTGAGTTTCCACAAAAAAGGAGAT	3960
Db	3901	GCACTAGGCAAGTAAATAATAAGGTGAGTTTCCACAAAAAAGGAGAT	3960
Qy	3961	TC 3962	
Db	3961	TC 3962	

1 US-0874 2
 2 US-0874 2
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 94 US-0874 2
 95 US-0874 2
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 834C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-640-3

Query Match 87.1% Score 3451; DB 1; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTTGAAGAAATGCAAGATGCTGCCCCACCCCTTAGAGCCGAGGATGAG 315
DB 17 GTTGACTTGAAGAAATGCAAGATGCTGCCCCACCCCTTAGAGCCGAGGATGAG 76
QY 316 GAGCTATGGAGCAAGAGCCCTGTCATCTTCTTACTGCTGCTCTTGGTGGCAAGTGA 375
DB 77 GAGCTATGGAGCAAGAGCCCTGTCATCTTCTTACTGCTGCTCTTGGTGGCAAGTGA 136
QY 376 ATGCTGACATGAAGAGCAATTTGATCTGCTGCAAGTGGCGGTATGCCCTGGGCAAGG 435
DB 137 ATGCTGACATGAAGAGCAATTTGATCTGCTGCAAGTGGCGGTATGCCCTGGGCAAGG 196
QY 436 ACCGAGACATCCAGAGAGTACATCTGCTTCCAGCTCCTGGTCAAGATTCACACTGCG 495
DB 197 ACCGAGACATCCAGAGAGTACATCTGCTTCCAGCTCCTGGTCAAGATTCACACTGCG 256
QY 496 CCGCCACAGAGAGTGGAGAGCAAGTACGCGGAGTGGGCGCTGGTCCCGCAGAGGTGCG 555
DB 257 CCGCCACAGAGAGTGGAGAGCAAGTACGCGGAGTGGGCGCTGGTCCCGCAGAGGTGCG 316
QY 556 TGTTCACAGAGAGAGAGTGTGAGGTGATCTACAAGCAAGCTCACTGCTGGCTC 615
DB 317 TGTTCACAGAGAGAGAGTGTGAGGTGATCTACAAGCAAGCTCACTGCTGGCTC 376
QY 616 TGTGGGACACCAAGAGAGCGCATGCGGGGCGCTGGGCAAGAGATTTCCCGAGTACC 675
DB 377 TGTGGGACACCAAGAGAGCGCATGCGGGGCGCTGGGCAAGAGATTTCCCGAGTACC 436
QY 676 GCGTGCCTTACTCCCGGAGTGTGCGCGTGGATGGAGTGGAGAGACCGCTGGGGTGA 735
DB 437 GCGTGCCTTACTCCCGGAGTGTGCGCGTGGATGGAGTGGAGAGACCGCTGGGGTGA 496
QY 736 AGGTGATCTAGGCAATGAGGAGACCTGAGGAGTGTGCAAGAGAGACTTGGGCCCCCA 795
DB 497 AGGTGATCTAGGCAATGAGGAGACCTGAGGAGTGTGCAAGAGAGACTTGGGCCCCCA 556
QY 796 TGGTGGCCGAGTGTGCTTACACCCCGGCGTGAACGGGTATGATGCTGTGTC 855
DB 557 TGGTGGCCGAGTGTGCTTACACCCCGGCGTGAACGGGTATGATGCTGTGTC 616

QY 856 GGTAGAGCTATGAGTGCCTCTGAGAGATGAGACTCTGCTTACACCCGCCCTGTGG 915
DB 617 GGTAGAGCTATGAGTGCCTCTGAGAGATGAGACTCTGCTTACACCCGCCCTGTGG 676
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DB 677 GGCACACATGATTTATCTGAGCCGCTGTACCTAAGCACTCCACCTATGACGACATA 736
QY 976 CCGTGGGAGTGCAGTATGGGGGTGGGCGACCTGGCAATGATGGTGGGGCTGG 1035
DB 737 CCGTGGGAGTGCAGTATGGGGGTGGGCGACCTGGCAATGATGGTGGGGCTGG 796
QY 1036 ATGACTTAGAAGAGATGAGAGAGTGGGGTCTGGCCAGAGCTATGATGATGAGTGA 1095
DB 797 ATGACTTAGAAGAGATGAGAGAGTGGGGTCTGGCCAGAGCTATGATGATGAGTGA 856
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DB 1577 GTGTCCCAATGCTGCTGCTGCTCTTCCAAATCCAGCTTACCGCTCTTGTGGCA 1636
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DB 1637 CTTAGCGCGTCCCGCTGAGGCGCGGCGCCCGCCACACCGGCTGGGCCAAACCCACA 1696

QY 1936 ACACCCAGCCCTACAGTGGGGACTATATGAGCCTGAGAACCCAGCCGCCGCTTCTGC 1995
DB 1697 ACACCCAGCCCTACAGTGGGGACTATATGAGCCTGAGAACCCAGCCGCCGCTTCTGC 1756
QY 1996 CCCCACTCCCCAGAAACAGGTCCCACTTATGCCAGAGGCTGACATTTGTAACCTGCAGG 2055
DB 1757 CCCCACTCCCCAGAAACAGGTCCCACTTATGCCAGAGGCTGACATTTGTAACCTGCAGG 1816
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QY 2116 GGGCCCCCAGAGTGAATTTCCCTGATCTGACACTCCGCTTCAAGAGAAAGCTTGGCCAGG 2175
DB 1877 GGGCCCCCAGAGTGAATTTCCCTGATCTGACACTCCGCTTCAAGAGAAAGCTTGGCCAGG 1936
QY 2176 GCCAGTTTGGGGAGGTGACACTGTGTAGGTGACAGCCCTCAAGATCTGTGACGTCTTG 2235
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DB 2699 GCGTCGCTGCGCGAGGCGCTATATGAGCTATGCTTGGTGTGAGACCGGAGATCTTG 2758
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DB 2759 AGCAGCAGACACCTTTTCCAGCTGCTATCGGTCTCTGGCAGAGATCACTCAACAGG 2818
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DB 2819 TGTGAATCACATCAGCTACCTGCCCCCTCCCTGAGGAGTGTATCAAGGGGAGACAGTGA 2878
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DB 2879 CTAAACAGAGAGACACATAGGACACTTGTGCCCTTCCCTCCGACAGCCCATCACTCT 2938
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DB 2939 AATGAGGCACTGAGACACTG----- 2958
QY 3256 CCCCTCTGAGACACACTCTATGTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3315
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QY 3316 CCACCCAGCTGTGCTGTGATGGATCTCTCCACCCCTCTCTAGCCATCCCTTGGGG 3375
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QY 3376 AAGGTGGGGGAAATATAGATAGACACTGACATGGCCCATTTGGAGACCTGGGCCCC 3435
DB 3033 AAGGTGGGGGAAATATAGATAGACACTGACATGGCCCATTTGGAGACCTGGGCCCC 3092
QY 3436 ACTGACACACTGATTCCTGGAGAGTGGCTGGG-CCCGAGCTTCCTCTCCCTGTGAC 3494
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QY 3495 ACACGACCCCACTGCTGAGAACTGTGGGGGTGAGAGAGGAGGAGGAGGAGGAGGAGG 3554
DB 3153 ACACGACCCCACTGCTGAGAACTGTGGGGGTGAGAGAGGAGGAGGAGGAGGAGGAGG 3212
QY 3555 TTTCTGTGCT 3614
DB 3213 TTTCTGTGCT 3272
QY 3615 GAACACTGGACCTGGGGGTATAGCCCGCCCGCCAGCCCTGACGACCCCACTTCCACTTG 3674
DB 3273 GAACACTGGACCTGGGGGTATAGCCCGCCCGCCAGCCCTGACGACCCCACTTCCACTTG 3332
QY 3675 CAGTCTGTAGCTGAGACTTCTCTAAGCTATAGCTTTCTGTGAGTAAATATTTGGATT 3734
DB 3333 CAGTCTGTAGCTGAGACTTCTCTAAGCTATAGCTTTCTGTGAGTAAATATTTGGATT 3392
QY 3735 GGGGGGAAAGAGGAGACAGGCCCATAGCCTTGGGGTGGACATCTAGTGTAGCTGC 3794
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DB 3573 ATATAAAGGTGAGTTTCCACAAAAA 3611

RESULT 3
US-08-170-558-3
Sequence 3, Application US/08170558
Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.

RESULT 4
US-08-447-314-3
Sequence 3, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;
QY 256 GTTGACTTGAAGAAATGCAAGATGCTGCCACCCTTAAAGCCGAGGATCAG 315
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QY 376 ATGCTGATGAAGAGGAGCATTTGATCCTGCAAGTCCCTATGCTGGGATGAGG 435
DB 137 ATGCTGATGAAGAGGAGCATTTGATCCTGCAAGTCCCTATGCTGGGATGAGG 196
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DB 257 CCGGCAACAGAGGTTGAGAGCAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAG 316

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QY 2716 CTGGGGACTATTACCGGTGACAGGGCGGGACAGTGTGCCCATCCGCTGATGGCTGGG 2775
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Db 2459 CTGGGACTATTACCGGTGACAGGGCGGGGCACTGTGCCCATCCGCTGATGGCTGGG 2518
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QY 2956 CGCCTGCTGCGCGAGGGCTATATGACTATGCTGTGTGTGAGACCGGGAGTCTG 3015
Db 2699 CGCCTGCTGCGCGAGGGCTATATGACTATGCTGTGTGTGAGACCGGGAGTCTG 2758
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QY 3555 TTTCTTGTGCTGCTCTGTACTTGTCTCACTTGGGCTTCTCTCTCTCTCTCTCT 3614
Db 3213 TTTCTTGTGCTGCTCTGTACTTGTCTCACTTGGGCTTCTCTCTCTCTCTCTCT 3272
QY 3615 GAAACACTGAGACTGGGGTAGCCCCGCCCAAGCCCTTAGTACACCCCACTTCCACTG 3674
Db 3273 GAAACACTGAGACTGGGGTAGCCCCGCCCAAGCCCTTAGTACACCCCACTTCCACTG 3332
QY 3675 CAGTCTTAGTGAATCTCTCTAAGCTTATGCTTCTGTGAGTAAATATGGGAT 3734
Db 3333 CAGTCTTAGTGAATCTCTCTAAGCTTATGCTTCTGTGAGTAAATATGGGAT 3392
QY 3735 GGGGGGAAAGAGAGCAACGCGCCATAGCCTTGGGGTGGACATCTCTAGTGTAGCTGC 3794
Db 3393 GGGGGGAAAGAGAGCAACGCGCCATAGCCTTGGGGTGGACATCTCTAGTGTAGCTGC 3452
QY 3795 CACATGATTTTCTATATACATTTGGGCTTGTATCATTTTGGGGGAGAGACAGAT 3854
Db 3453 CACATGATTTTCTATATACATTTGGGCTTGTATCATTTTGGGGGAGAGACAGAT 3512
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QY 3855 TTTTACACTATATATGAGCACTGTTGAGGCAATTTTAAATCCCGCATAGCAGGTA 3914
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Db 3513 TTTTACACTATATATGAGCACTGTTGAGGCAATTTTAAATCCCGCATAGCAGGTA 3572
QY 3915 ATATAAGGTTGAGTTTTCACAAAAA 3953
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Db 3573 ATATAAGGTTGAGTTTTCACAAAAA 3611

RESULT 5

US-08-445-461-3

Sequence 3, Application US/08445461

Patent No. 6096527

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie R.

APPLICANT: Scadden, David T.

APPLICANT: Baker, Kevin P.

APPLICANT: Baron, Will F.

TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/445,461

CLASSIFICATION: 530

FILING DATE: 22-MAY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558

FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 854C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 3637 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTTGAAGAAATCCAGAGATGCTCCGCCACCCCTTGGCCCGAGGATCAG 315
|||||
Db 17 GTTGACTTGAAGAAATCCAGAGATGCTCCGCCACCCCTTGGCCCGAGGATCAG 76
QY 316 GAGCATATGGACAGAGAGCCCTGCTCATCTTACTGCTGCTCTTGGTGCAAGTGAG 375
|||||
Db 77 GAGCATATGGACAGAGAGCCCTGCTCATCTTACTGCTGCTCTTGGTGCAAGTGAG 136

QY 376 ATGCTGACATGAGGAGACATTTTGATCTGCGCAAGTCCGCTATGCCCTGGGCATCAGG 435
|||||
Db 137 ATGCTGACATGAGGAGACATTTTGATCTGCGCAAGTCCGCTATGCCCTGGGCATCAGG 196
QY 436 ACCGACACATCCCAAGACAGATGATCTGCTGCAAGCTCTGCTGATGATTCACAGCCG 495
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Db 197 ACCGACACATCCCAAGACAGATGATCTGCTGCTGCAAGCTCTGCTGATGATTCACAGCCG 256
QY 496 CCGGACACAGCAGTGGAGAGCAGTGCAGGAGGATGGGCTGCTGCTGCTGCTGCTGCTG 555
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Db 257 CCGGACACAGCAGTGGAGAGCAGTGCAGGAGGATGGGCTGCTGCTGCTGCTGCTGCTG 316
QY 556 TGTTCCTCCAGAGAGAGAGATCTGAGAGTGCATACAGACCTGCCTGCTGCTGCTG 615
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Db 317 TGTTCCTCCAGAGAGAGAGATCTGAGAGTGCATACAGACCTGCCTGCTGCTGCTGCTG 376
QY 616 TGGTGGGACCCAGAGGAGGAGATGCGGGGGGCTGGGCGAAGAGAGTTCCTCCGAGTAC 675
|||||
Db 377 TGGTGGGACCCAGAGGAGGAGATGCGGGGGGCTGGGCGAAGAGAGTTCCTCCGAGTAC 436
QY 676 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 735
|||||
Db 437 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 496
QY 736 AGGTGATCTCAGGACCAATGAGAGACCTGAGGAGAGTGTGCTGAAGACCTTGGGCCCCCA 795
|||||
Db 497 AGGTGATCTCAGGACCAATGAGAGACCTGAGGAGAGTGTGCTGAAGACCTTGGGCCCCCA 556
QY 796 TGGTGGGACCCAGAGGAGGAGATGCGGGGGGCTGGGCGAAGAGAGTTCCTCCGAGTAC 855
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Db 557 TGGTGGGACCCAGAGGAGGAGATGCGGGGGGCTGGGCGAAGAGAGTTCCTCCGAGTAC 616
QY 856 GGTGAGAGCTATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 915
|||||
Db 617 GGTGAGAGCTATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 676
QY 916 GCGAGCAATGATTTATGATGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 975
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Db 677 GCGAGCAATGATTTATGATGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 736
QY 976 CCGTGGGCGAGTGCAGTATGGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1035
|||||
Db 737 CCGTGGGCGAGTGCAGTATGGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 796
QY 1036 ATGACTTTAGAAAGATCGAGAGCTGCGGGCTGCGCCAGCTATGCTATGAGAGTGA 1095
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Db 797 ATGACTTTAGAAAGATCGAGAGCTGCGGGCTGCGCCAGCTATGCTATGAGAGTGA 856
QY 1096 GCAACCAAGCTTCTCCAGTGCCTATGAGAGTGAAGTTGAGTTGACCGGCTGAGGG 1155
|||||
Db 857 GCAACCAAGCTTCTCCAGTGCCTATGAGAGTGAAGTTGAGTTGACCGGCTGAGGG 916
QY 1156 CTTCCAGGCTATGAGAGTGCCTATGAGAGTGAAGTTGAGTTGACCGGCTGAGGG 1215
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Db 917 CTTCCAGGCTATGAGAGTGCCTATGAGAGTGAAGTTGAGTTGACCGGCTGAGGG 976
QY 1216 GCGGGGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1275
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Db 977 GCGGGGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1036
QY 1276 GCCACACCTAGGGGCAACCTGCGGAGACCCAGAGCCCGGGCTGTCTAGTCCCTTG 1335
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Db 1037 GCCACACCTAGGGGCAACCTGCGGAGACCCAGAGCCCGGGCTGTCTAGTCCCTTG 1096
QY 1336 GCGGGGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1395
|||||
Db 1097 GCGGGGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1156
QY 1396 TCAGGAATCTCCTTCACTCTGATGAGTGAACAAATTCCTCCGACCTGAGGAGCA 1455
|||||
Db 1157 TCAGGAATCTCCTTCACTCTGATGAGTGAACAAATTCCTCCGACCTGAGGAGCA 1216
QY 1456 CTTCCCGGACAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1515
|||||

[illegible]

QY 3675 CAGCTTGAGCTAGACTCTCTAAGCCTATAGCTTCTGTGGAGTAAATTTGGAT 3734
 Db 3333 CAGCTTGAGCTAGACTCTCTAAGCCTATAGCTTCTGTGGAGTAAATTTGGAT 3392
 QY 3735 GGGGGGAAAGAGGAGCAGACGCGCCATAGCTTGGGGTGGACATCTCTAGTAGCGC 3794
 Db 3393 GGGGGGAAAGAGGAGCAGACGCGCCATAGCTTGGGGTGGACATCTCTAGTAGCGC 3452
 QY 3795 CACATGTGATTTTCTATATACACTTGGGGTGTGTACATTTTGGGGGAGACACAGAT 3854
 Db 3453 CACATGTGATTTTCTATATACACTTGGGGTGTGTACATTTTGGGGGAGACACAGAT 3512
 QY 3855 TTATACCTATATATAGACTAGCTTGGAGCATTTTATCCCTGACATAGCAGGTA 3914
 Db 3513 TTATACCTATATATAGACTAGCTTGGAGCATTTTATCCCTGACATAGCAGGTA 3572
 QY 3915 ATATATAAGTTGAGTTTCCACAAAAA 3953
 Db 3573 ATATATAAGTTGAGTTTCCACAAAAA 3611

RESULT 6
 US-08-445-640-7
 ; Sequence 7, Application US/08445640
 ; Patent No. 5709858
 ; GENERAL INFORMATION:
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Mark, Melanie R.
 ; APPLICANT: Scadden, David T.
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Baron, Will F.
 ; TITLE OF INVENTION: Protein Tyrosine Kinases
 ; NUMBER OF SEQUENCES: 35
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: patin (genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/445,640
 ; FILING DATE: 22-MAY-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/170558
 ; FILING DATE: 20-DEC-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/157563
 ; FILING DATE: 23-NOV-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Hasak, Janet E.
 ; REGISTRATION NUMBER: 28,616
 ; REFERENCE/DOCKET NUMBER: 854C2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-1896
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1197 bases
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-08-445-640-7

Query Match 30.1%; Score 1192.2; DB 1; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 6.4e-273;
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAAAGGACATTTTATGATCTGCAAGTCCGCTATGCCCCGATGAG 434
 Db 1 GATGCTGACATGAAAGGACATTTTATGATCTGCAAGTCCGCTATGCCCCGATGAG 60
 QY 435 GACCGAGCATCCCGAGAGAGTACATCTGCTTCCACTCTGCTGATGATCCACTCC 494
 Db 61 GACCGAGCATCCCGAGAGAGTACATCTGCTTCCACTCTGCTGATGATCCACTCC 120
 QY 495 GCGCGCCACAGCAGATTGAGAGCAGTACCGGGATGGGGCTGGTCCCGCAGGTCG 554
 Db 121 GCGCGCCACAGCAGATTGAGAGCAGTACCGGGATGGGGCTGGTCCCGCAGGTCG 180
 QY 555 GTGTTTCCCAAGAGAGAGATGATCTGAGTGTGATCTTCAACAGACTCCACTGGTGC 614
 Db 181 GTGTTTCCCAAGAGAGAGATGATCTGAGTGTGATCTTCAACAGACTCCACTGGTGC 240
 QY 615 CTGCTGGGACCCAGAGGAGGATGCGCGGGGCGCTGGGCGAGAGATCTCCCGAGCTAC 674
 Db 241 CTGCTGGGACCCAGAGGAGGATGCGCGGGGCGCTGGGCGAGAGATCTCCCGAGCTAC 300
 QY 675 CGGCTGGGATACCTCCGAGATGTCGCGCTGATGAGGCTGGAAGAGACCGCTGGGCTAG 734
 Db 301 CGGCTGGGATACCTCCGAGATGTCGCGCTGATGAGGCTGGAAGAGACCGCTGGGCTAG 360
 QY 735 GAGTGATCTCAGCAATGAGAGACCTGAGGAGTGTGCTGGAAGAGACTTTGGGCCCC 794
 Db 361 GAGTGATCTCAGCAATGAGAGACCTGAGGAGTGTGCTGGAAGAGACTTTGGGCCCC 420
 QY 795 ATGTTGCCGAGCTGTTGCTTCTACCCCCGGGCTGACCGGGATGATGATGCTGTGTG 854
 Db 421 ATGTTGCCGAGCTGTTGCTTCTACCCCCGGGCTGACCGGGATGATGATGCTGTGTG 480
 QY 855 CGGCTAGAGCTCTATGAGCTGCTGAGAGGATGAGTCTCTGTTACACCGCCCTGTG 914
 Db 481 CGGCTAGAGCTCTATGAGCTGCTGAGAGGATGAGTCTCTGTTACACCGCCCTGTG 540
 QY 915 GGGCAGACATGATTTATCTGAGGCGCTGATCTCAACGACTCCACTATAGAGGACAT 974
 Db 541 GGGCAGACATGATTTATCTGAGGCGCTGATCTCAACGACTCCACTATAGAGGACAT 600
 QY 975 ACCGTGGCGGAGCTGAGTATGAGGGGCTGAGGAGTGTGAGTGTGCTGGGCTG 1034
 Db 601 ACCGTGGCGGAGCTGAGTATGAGGGGCTGAGGAGTGTGAGTGTGCTGGGCTG 660
 QY 1035 GATGACTTTAGGAAGACTGAGAGCTGCGGGTCTGCGCAGGCTATGACTATGAGATG 1094
 Db 661 GATGACTTTAGGAAGACTGAGAGCTGCGGGTCTGCGCAGGCTATGACTATGAGATG 720
 QY 1095 AGCAACACAGCTTCTCCACTGCTATGTGAGATGAGATTTGAGTTGACCGGCTAG 1154
 Db 721 AGCAACACAGCTTCTCCACTGCTATGTGAGATGAGATTTGAGTTGACCGGCTAG 780
 QY 1155 GCCTCCAGGCTATGAGGAGCACTGTAAACAATGAGACAGCTGGAGAGCCGCTCTCCT 1214
 Db 781 GCCTCCAGGCTATGAGGAGCACTGTAAACAATGAGACAGCTGGAGAGCCGCTCTCCT 840
 QY 1215 GCGGGGGTGAATGTGCTTCCGCGCTGCGCTGCAATGAGCTGAGAGGGAGACCCATG 1274
 Db 841 GCGGGGGTGAATGTGCTTCCGCGCTGCGCTGCAATGAGCTGAGAGGGAGACCCATG 900
 QY 1275 CGCCACACCTTAGGGGCAACTGAGGAGACCCAGAGACCCGGGCTGTCTAGTCCCTT 1334
 Db 901 CGCCACACCTTAGGGGCAACTGAGGAGACCCAGAGACCCGGGCTGTCTAGTCCCTT 960
 QY 1335 GGGGGCGTGTGGCTGCTTCTGCAAGTCCGCTTCTTTCGGGGGCGCTGATCTC 1394
 Db 961 GGGGGCGTGTGGCTGCTTCTGCAAGTCCGCTTCTTTCGGGGGCGCTGATCTC 1020
 QY 1395 TTCAGCAATCTCTTCTGATGTGATGATGATGATGATGATGATGATGATGATGATG 1454

Db 1021 TTCACGGAATCTCTCTCATCTCTGATGTGTGACAAATTCCTCCGGCAGTGGAGGC 1080
Qy 1455 ACCCTCCCGCCAGCCCGCTGGTGGCCGCTGGCCCACTCCCACTTCCAGCTG 1514
Db 1081 ACCTTCGCCCGCCAGCCCGCTGGTGGCCGCTGGCCCACTTCCAGCTTGG 1140
Qy 1515 GAGCTGAGAGCCGAGAGCCGAGCCGCTGGCCCAAGGAGGAGGAGCCGAGCC 1571
Db 1141 GAGCTGAGAGCCGAGAGCCGAGCCGCTGGCCCAAGGAGGAGGAGCCGAGCC 1197

RESULT 7
US-08-170-558-7
Sequence 7, Application US/08170558
Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-170-558-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 6.4e-273;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 375 GATGCTGACATGAAGGAGCATTTTGTATCTGTCAGAGTCCGCTATGCCCTGGGATGAG 434
Db 1 GATGCTGACATGAAGGAGCATTTTGTATCTGTCAGAGTCCGCTATGCCCTGGGATGAG 60
Qy 435 GACCGGACATCCAGAGCATGTGATCTTGTCTTCCAGCTCTGTGTGATTCAGTCC 494
Db 61 GACCGGACATCCAGAGCATGTGATCTTGTCTTCCAGCTCTGTGTGATTCAGTCC 120
Qy 495 GCCCGCACAGCAGGTGAGAGCAGTGCAGGGAGTGGGGCTGTGTCCCGCCGAGGGTGC 554

Db 121 GCCCGCACAGCAGGTGAGAGCAGTGCAGGGAGTGGGGCTGTGTCCCGCCGAGGGTGC 180
Qy 555 GTGTTTCCCAAGGAGGAGGAGTACTTGCAGGTGATCTACACAGCATCCCACTGTGGCT 614
Db 181 GTGTTTCCCAAGGAGGAGGAGTACTTGCAGGTGATCTACACAGCATCCCACTGTGGCT 240
Qy 615 CTGTGTGGGACCCAGAGGAGGAGGAGTCCGGGGGCTGTGGGAGAGGATTTCTCCGAGCTAC 674
Db 241 CTGTGTGGGACCCAGAGGAGGAGGAGTCCGGGGGCTGTGGGAGAGGATTTCTCCGAGCTAC 300
Qy 675 CGGCTGCTTACTCCCGGGAGTGTGCGCGCTGATGAGGCTGAGAGGACCGCTGGGCTAG 734
Db 301 CGGCTGCTTACTCCCGGGAGTGTGCGCGCTGATGAGGCTGAGAGGACCGCTGGGCTAG 360
Qy 735 GAGGTGATCTCAGAGCAATGAGACCTGAGAGGAGTGTGCTGAGAGACCTTGGAGCCGCC 794
Db 361 GAGGTGATCTCAGAGCAATGAGACCTGAGAGGAGTGTGCTGAGAGACCTTGGAGCCGCC 420
Qy 795 ATGCTTCCCGAGCTGGTGGCTTCTACCCCGGGCTGACCGGGCTCATGAGTGTCTGTG 854
Db 421 ATGCTTCCCGAGCTGGTGGCTTCTACCCCGGGCTGACCGGGCTCATGAGCGTGTGTG 480
Qy 855 CGGCTGAGCTCTATGCTGCTCTGTGAGAGGATGACCTCTGTACACCGCCCTGTG 914
Db 481 CGGCTGAGCTCTATGCTGCTCTGTGAGAGGATGACCTCTGTACACCGCCCTGTG 540
Qy 915 GGGCAGACATGATTTATCTGAGGCGGTGACCTGACAGACCTCCACCTATAGGAGCAT 974
Db 541 GGGCAGACATGATTTATCTGAGGCGGTGACCTGACAGACCTCCACCTATAGGAGCAT 600
Qy 975 ACCGTGGGCGAGCTGAGTATGAGGGGTCTGGGCCACAGCTGGCAGATGTTGGTGGGCTG 1034
Db 601 ACCGTGGGCGAGCTGAGTATGAGGGGTCTGGGCCACAGCTGGCAGATGTTGGTGGGCTG 660
Qy 1035 GATGACTTTAGAGAGTATGAGAGTGGCGGTCTGGCCAGGCTATGATGTGGAGTGG 1094
Db 661 GATGACTTTAGAGAGTATGAGAGTGGCGGTCTGGCCAGGCTATGATGTGGAGTGG 720
Qy 1095 AGCAACACAGCTTCTCCAGTATGAGGAGTATGAGGAGTATGAGTATGAGTATGAGG 1154
Db 721 AGCAACACAGCTTCTCCAGTATGAGGAGTATGAGGAGTATGAGTATGAGTATGAGG 780
Qy 1155 GCCTTCAGAGCTATGAGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGT 1214
Db 781 GCCTTCAGAGCTATGAGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGT 840
Qy 1215 GCGGGGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGT 1274
Db 841 GCGGGGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGT 900
Qy 1275 GCGCAACACTTGGGGGAGCACTGGGGGAGCCCAAGCCCGGGGCTGCTCATGTCCTT 1334
Db 901 GCGCAACACTTGGGGGAGCACTGGGGGAGCCCAAGCCCGGGGCTGCTCATGTCCTT 960
Qy 1335 GCGGCGGTGTGCTGCTGCTTCTGAGTGCCTTCTTTCGAGGAGCCCTGTTACTC 1394
Db 961 GCGGCGGTGTGCTGCTGCTTCTGAGTGCCTTCTTTCGAGGAGCCCTGTTACTC 1020
Qy 1395 TTCACGGAATCTCTTATCTCTGATGTGTGACAAATTCCTCTCGGACATGGAGGC 1454
Db 1021 TTCACGGAATCTCTTATCTCTGATGTGTGACAAATTCCTCTCGGACATGGAGGC 1080
Qy 1455 ACCCTCCCGCCAGCCCGCTGGTGGCCGCTGGCCCACTCCCACTTCCAGCTG 1514
Db 1081 ACCTTCGCCCGCCAGCCCGCTGGTGGCCGCTGGCCCACTTCCAGCTTGG 1140
Qy 1515 GAGCTGAGAGCCGAGAGCCGAGAGCCGCTGGCCCAAGGAGGAGGAGCCGAGCC 1571
Db 1141 GAGCTGAGAGCCGAGAGCCGAGAGCCGCTGGCCCAAGGAGGAGGAGCCGAGCC 1197

RESULT 8

US-08-447-314-7
Sequence 7, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854CID2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 6.4e-273;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

DB 375 GATGTCGATGAGGAGGACATTTGATCCTGCAAGTGGCCGCTATGCCCCCTGGGAGATGCAG 434
1 GATGTCGATGAGGAGGACATTTGATCCTGCAAGTGGCCGCTATGCCCCCTGGGAGATGCAG 60
435 GACCGGACCATCCACAGACAGTACATCTGCTTCCAGCTCCCTGATGATTCACATTCAGCC 494
61 GACCGGACCATCCACAGACAGTACATCTGCTTCCAGCTCCCTGATGATTCACATTCAGCC 120
495 GCGCGGACAGAGAGTGGAGAGACAGTACAGGAGATGGGCGCTGTGCCCCGAGGGGTGC 554
121 GCGCGGACAGAGAGTGGAGAGACAGTACAGGAGATGGGCGCTGTGCCCCGAGGGGTGC 180
555 GTGTTTCCCAAGAGAGAGTACTTGCAGGTGATCTCAACGACTCCACTGTGGGCT 614
181 GTGTTTCCCAAGAGAGAGTACTTGCAGGTGATCTCAACGACTCCACTGTGGGCT 240
615 CTGGTGGGACCCAGGAGAGAGGAGTGGGCGCTGGGCAAGAGATTCCTCCGAGACTAC 674
241 CTGGTGGGACCCAGGAGAGAGGAGTGGGCGCTGGGCAAGAGATTCCTCCGAGACTAC 300
675 CGGCTGCGCTTACTCCCGGGATGTGCGCGCTGATGGGCTGGAAGAGCCGCTGGGGTCA 734

DB 301 CGGCTGCGTACTCCCGGAGTGGTCGCGCTGAGTGGGCTGGAAGAGACCGCTGGGGTCA 360
735 GAGGTGATCTCAGGCAATGAGAGACCTGAGGAGAGTGGTGAAGAGACTTGGGCGCCC 794
361 GAGGTGATCTCAGGCAATGAGAGACCTGAGGAGAGTGGTGAAGAGACTTGGGCGCCC 420
795 ATGTTGGCCGACTGTGCTGCTTACCCCGGGCTGACCGGCTCATGATGCTGTCTG 854
421 ATGTTGGCCGACTGTGCTGCTTACCCCGGGCTGACCGGCTCATGATGCTGTCTG 480
855 CGGTTAGAGCTCTATGCTGCTTGGAGGAGATGATCTCTTACACCGCCCTGTG 914
481 CGGTTAGAGCTCTATGCTGCTTGGAGGAGATGATCTCTTACACCGCCCTGTG 540
915 GCGGACAAATGATTTATCTGAGGCGCTGATACCTCAACGACTCCACTATGAGAGAT 974
541 GCGGACAAATGATTTATCTGAGGCGCTGATACCTCAACGACTCCACTATGAGAGAT 600
975 ACCGTGGCGGACTGCAGTATGAGGAGTGGGCGGAGTGGGCGGAGTGTGTGGGCTG 1034
601 ACCGTGGCGGACTGCAGTATGAGGAGTGGGCGGAGTGGGCGGAGTGTGTGGGCTG 660
1035 GATGACTTTAGAGAGAGTCAAGAGCTGGGCTGTGGCCAGGCTATGACTATGTGGATG 1094
661 GATGACTTTAGAGAGAGTCAAGAGCTGGGCTGTGGCCAGGCTATGACTATGTGGATG 720
1095 AGCAACCAAGCTTCTCCAGGAGTATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAG 1154
721 AGCAACCAAGCTTCTCCAGGAGTATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAG 780
1155 GCCTTCCAGGCTATGAGAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1214
781 GCCTTCCAGGCTATGAGAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 840
1215 GCGGGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1274
841 GCGGGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 900
1275 GCGGACAACTAGGAGGAGCAACCTGAGGAGCCGAGAGCCGAGGCTGTCTAGTCCCTT 1334
901 GCGGACAACTAGGAGGAGCAACCTGAGGAGCCGAGAGCCGAGGCTGTCTAGTCCCTT 960
1335 GCGGAGGCTGTGCTGCTTCTGCAAGTGGCGGCTCTCTTGGGGGCGCTGTACTC 1394
961 GCGGAGGCTGTGCTGCTTCTGCAAGTGGCGGCTCTCTTGGGGGCGCTGTACTC 1020
1395 TTCAGGAAATCTCTTCACTCTGATGTGTGAACAATCTCTCCGGCACTGGAGGC 1454
1021 TTCAGGAAATCTCTTCACTCTGATGTGTGAACAATCTCTCCGGCACTGGAGGC 1080
1455 ACCTTCCCGGACCGCCCTGTGTGGCGGCTGGCCCACTCCACCAATTCAGAGCTTG 1514
1081 ACCTTCCCGGACCGCCCTGTGTGGCGGCTGGCCCACTCCACCAATTCAGAGCTTG 1140
1515 GAGCTGAGAGCCAGAGGCGCAGAGCCGCTGAGGCGCAGAGGCGAGCCGAGCCG 1571
1141 GAGCTGAGAGCCAGAGGCGCAGAGCCGCTGAGGCGCAGAGGCGAGCCGAGCCG 1197

RESULT 9
US-08-445-461-7
Sequence 7, Application US/08445461
Patent No. 6086527
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/445,461
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28, 616
 REFERENCE/DOCKET NUMBER: 854C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1197 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-445-461-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 6.4e-273;
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 375 GATGCTGACATGAGGAGACATTTTGTGCTGCAAGTGGCGGTATGCCCTGGGCATGACG 434
DB 1 GATGCTGACATGAGGAGACATTTTGTGCTGCAAGTGGCGGTATGCCCTGGGCATGACG 60
QY 435 GACCGGACCATCCAGACAGTACATCTCTGCTCCAGCTCCTGTCAGATTCCACTGAC 494
DB 61 GACCGGACCATCCAGACAGTACATCTCTGCTCCAGCTCCTGTCAGATTCCACTGAC 120
QY 495 GCGCCGCCACAGAGAGTTGGAGACAGTACGCGGAGTGGGCGCTGTGCCCGGAGGGTGG 554
DB 121 GCGCCGCCACAGAGAGTTGGAGACAGTACGCGGAGTGGGCGCTGTGCCCGGAGGGTGG 180
QY 555 GTGTTTCCAGAGAGAGAGTACTGTGAGTGGATCTCAAGCATCTCCACCTGGTGGCT 614
DB 181 GTGTTTCCAGAGAGAGAGTACTGTGAGTGGATCTCAAGCATCTCCACCTGGTGGCT 240
QY 615 CTGTGGGACACCAAGAGAGGCGCATGCCGGGGGCTGTGGCAAGAGATTCTCCCGAGACTAC 674
DB 241 CTGTGGGACACCAAGAGAGGCGCATGCCGGGGGCTGTGGCAAGAGATTCTCCCGAGACTAC 300
QY 675 CGGCTGCGTACTCCCGGGATGTGTGCGGCTGTGATGGGCTGGAAGAGACCGCTGGGGTACG 734
DB 301 CGGCTGCGTACTCCCGGGATGTGTGCGGCTGTGATGGGCTGGAAGAGACCGCTGGGGTACG 360
QY 735 GAGGTGATCTAGAGATGAGACCTCTGAGGAGTGTGCTGAAGAGACCTTGGGCCCCC 794
DB 361 GAGGTGATCTAGAGATGAGACCTCTGAGGAGTGTGCTGAAGAGACCTTGGGCCCCC 420
QY 795 ATGTTGCCCGACAGTGTGCTTCTTACCCCGGCGCTGACCGGCGTATGATGTCTGTCTG 854
DB 421 ATGTTGCCCGACAGTGTGCTTCTTACCCCGGCGCTGACCGGCGTATGATGTCTGTCTG 480

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QY 855 CGGCTAGAGCTCTATGCTGCTGCTGTGAGGAGATGAGACTCCTGTCTTACACGCCCTGTG 914
DB 481 CGGCTAGAGCTCTATGCTGCTGCTGTGAGGAGATGAGACTCCTGTCTTACACGCCCTGTG 540
QY 915 GGGCAGACAAATGTTATCTGAGGCGCGTGTACTCAAGACATCCACCTATGACAGCAT 974
DB 541 GGGCAGACAAATGTTATCTGAGGCGCGTGTACTCAAGACATCCACCTATGACAGCAT 600
QY 975 ACCGTGGCGGACTGACATGAGGAGTCTGGGCGACGTGACATGATGTGTGGGCTG 1034
DB 601 ACCGTGGCGGACTGACATGAGGAGTCTGGGCGACGTGACATGATGTGTGGGCTG 660
QY 1035 GATGACTTTAGGAAGAGTCAAGAGCTGCGGGTCTGGCCAGGTATGATGAGGATG 1094
DB 661 GATGACTTTAGGAAGAGTCAAGAGCTGCGGGTCTGGCCAGGTATGATGAGGATG 720
QY 1095 AGCAACACAGCTTCTCCATGCTATGTGAGATGAGATGATGATGATGATGATGATG 1154
DB 721 AGCAACACAGCTTCTCCATGCTATGTGAGATGAGATGATGATGATGATGATGATG 780
QY 1155 GCCTCCAGGCTATGACAGTCCACTGTAAACATGACAGGTGGGAGCGCTGCGCT 1214
DB 781 GCCTCCAGGCTATGACAGTCCACTGTAAACATGACAGGTGGGAGCGCTGCGCT 840
QY 1215 GCGGGGGTGAATGTGCTTCCGCGTGGGCGCTGCGCATGCGCTGGGAGGGGAGCCCATG 1274
DB 841 GCGGGGGTGAATGTGCTTCCGCGTGGGCGCTGCGCATGCGCTGGGAGGGGAGCCCATG 900
QY 1275 GCGCCAACTAGAGGAGCAACTGAGGAGACCCCAAGAGCCCGGCTGTCTAGTCCCTT 1334
DB 901 GCGCCAACTAGAGGAGCAACTGAGGAGACCCCAAGAGCCCGGCTGTCTAGTCCCTT 960
QY 1335 GCGGCGGTGTGCTGCTTCTGCAAGTGGCGCTTCTTCTGGGAGCGCTGTACTG 1394
DB 961 GCGGCGGTGTGCTGCTTCTGCAAGTGGCGCTTCTTCTGGGAGCGCTGTACTG 1020
QY 1395 TTCAGGAAATCTCTCATCTCTGATGTGATGATGATGATGATGATGATGATGATG 1454
DB 1021 TTCAGGAAATCTCTCATCTCTGATGTGATGATGATGATGATGATGATGATGATG 1080
QY 1455 ACCTTCCCGGACAGCCCGCTGTGTGCGGCTGCGCCACTGCCAACAATTCCAGACTTG 1514
DB 1081 ACCTTCCCGGACAGCCCGCTGTGTGCGGCTGCGCCACTGCCAACAATTCCAGACTTG 1140
QY 1515 GACCTGAGAGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1571
DB 1141 GACCTGAGAGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1197

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RESULT 10
 US-08-336-343A-3
 Sequence 3, Application US/08336343A
 Patent No. 5677144
 GENERAL INFORMATION:
 APPLICANT: Ullrich, Axel
 APPLICANT: Alves, Frauke
 TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penile & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036-2711

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA: US/08/336,343A

FILED DATE: 08-NOV-1994.
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3157 base pairs
type: nucleic acid
STRANDEDNESS: both
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 370..2934
US-08-336-343a-3

Query Match 16.2%; Score 642; DB 1; Length 3157;
Best Local Similarity 56.5%; Pred. No. 1.4e-142;
Matches 1534; Conservative 0; Mismatches 975; Indels 207; Gaps 10;

QY 349 TGCCTGCTCTTGGTGGCAAGTGAAGTGTGACATGAGAGGACATTGGATCTGCA 408
DB 395 TGGGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 454
QY 409 AGTCCCGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 468
DB 455 TATCCCGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 514
QY 469 CCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 528
DB 515 CCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 574
QY 529 ATGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 585
DB 575 ATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 634
QY 586 TGAATCTACAAGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 645
DB 635 TTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 694
QY 646 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 705
DB 695 GTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 754
QY 706 GGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 765
DB 755 GGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 814
QY 766 GAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 825
DB 815 ACATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 874
QY 826 GGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 885
DB 875 TCACCGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 934
QY 886 ATGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 939
DB 935 ATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 994
QY 940 CCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 999
DB 995 TCATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1053

QY 1000 GTCTGGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1059
DB 1054 --CTAGCCCAATGTGACCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1111
QY 1060 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1119
DB 1112 ACCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1171
QY 1120 ATGAGAGTGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1179
DB 1172 ACATTTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1231
QY 1180 GTAAACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1239
DB 1232 GCAACACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1291
QY 1240 GTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1299
DB 1292 CTG---AAGCCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1348
QY 1300 GGGACCCAGAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1359
DB 1349 TCAACCCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1408
QY 1360 AGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1419
DB 1409 AGTGTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1468
QY 1420 ATGTGTGAACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1479
DB 1469 ATGCTGCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1513
QY 1480 CGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1539
DB 1514 -----TGGACCCCAACATGATGATG 1534
QY 1540 CCGTGGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1599
DB 1535 CAATGCTTAAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1594
QY 1600 TCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1659
DB 1595 TCTTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1654
QY 1660 TCACAGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1719
DB 1655 TGAAGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1714
QY 1720 GGGACATGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1779
DB 1715 GTGATTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1747
QY 1780 CCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1839
DB 1748 CATGACCTAGGAGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1794
QY 1840 TGTCTCTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1899
DB 1795 -----CCCTTGGCC 1804
QY 1900 CGGCCCCCAGACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1959
DB 1805 CTGACTACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1864
QY 1960 ATATGAGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2019
DB 1865 AGAGTGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1924
QY 2020 CCGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2079
DB 1925 CCGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1984
QY 2080 CTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2136

Db	1985	CAGTGGCCGTGGCCGTACCCATGAGACCTGCTCTCAGGAAAGAGTGGCTGTGGAGGAGTTC	204
QY	2137	CTGCATCTCGACCTCCGCTTCAAGAGAAAGCTTGGCGAGGGCCAGTTTGGGAGGTGACC	2196
Db	2045	CCAGGAAACCTCTTAACCTTCAAAAGAGAGCTGGGGAGAGGACAGTTTGGGAGTTTCATC	2100
QY	2197	TGTGTGAGGTGCGAAGGCCCTCAAGATCGGTGACGTCTGATTTTCCCTTATGTGCTGA	2255
Db	2105	TCTGTGAAGTGGAGGGAATGGAAAAATTCAAGACAAAGATTTTGGCTTCAAGTGTCAATG	2166
QY	2257	AGGAGACACCTTTTGCTGGTAGCTGCTCAAGATCTTACGGCCAGATGSCCAAGAAATGGCA	2316
Db	2165	CCAACAGCCTGTCTCTGTGGTGTGAAGATGCTCCAGGACAGATGCCAACAAGATG---	2222
QY	2317	GCCTTCTCTTGTCTCCAGAAATTTTCTCTGAAAGAGGTGAAGATCATGTGAGGCTCA	2376
Db	2222	-----CCAGGATGATTTTCTTAAGAGAGATTAAGATCATGTCTGGGCTCA	2266
QY	2377	AGGACCCCAACATCATTTGCGGTCTGTGGGCGTGTGTGACAGAGACACCCCTCTGTACGA	2433
Db	2267	AGGACCCCAACATCATCATCTATTAATCTGTGTATCACTGATGAAGACCCCTCTGTATGA	2328
QY	2437	TTACTGACTACATGAGAAAGCGGACCTCAACAGTTCCTCATGTGCCACACAGCTGGAGG	2496
Db	2327	TCACTGATATCATGAGAAATGAGAGATTCATATCAGTTTCTTCCCGCCACAGCCCTTA	2386
QY	2497	ACAAGGACCGGAGGGGGCCCTTGGGGACGGGACGGCTGGCGACAGGGGCCACCATACAGT	2556
Db	2387	ATTCTTCTCTCAGCG-----ATGTACGACCTGTCAATT	2419
QY	2557	ACCCATATGCTGTCGATGATGTGGACGCCAAGATCGCCTCCGCGATCGCTATCTGGCCACAC	2616
Db	2420	ACACCATCTGAAATTTATGTGACACCCAAATTTGGCTCTGGCATGAAGTACCTTCTCTCC	2479
QY	2617	TCACATTTTGATCATGCGGAGCTGTGGCCACGGGGAAGCTCCAGTTGGGGAAATTTTCACA	2676
Db	2480	TTATATTTTGTTCACCGAGATCTTGGCCACACGAAACTGTTTGTGTGGTAAAGAACTACAA	2539
QY	2677	TCAAAATCGCAGACTTTGGCATGAGCGGAAACCTCTATGCTGGGAGTATTTACCGTGGC	2736
Db	2540	TCAGATAGCTGACTTTGGAAATGAGACGAGAACTGTACATGTGATATTTACCGATCC	2599
QY	2737	AGGGCGGGGCACTGTGCTGCCATCCGCTGATGACCTCGCTGGAGTGCATCTCATGGGAGAT	2796
Db	2600	AGGGCGGGGCACTGTGCTGCCATCCGCTGATGACCTCGCTGGAGTGCATCTCATGGGAGAT	2659
QY	2797	TCACAGCTCGAGTGAAGTGTGGGCTTTTGTGTGACACCTGTGGAGGTGCTGATGCTCT	2856
Db	2660	TCACCTACACAAAGTGAATGTGTGGGCTTTTGGGCTTACTTTGTGGGACCTTTCACCTTTT	2719
QY	2857	GTAGGGCCGACCCCTTTGGGACCTCACGACGAGCAGTGCATCGAAGAGCGGGGGAGT	2916
Db	2720	GTACAGAAAGCCCTTTTCCAGCTGTCAATTAACAGATTAATGGAATACTGTGAAGAT	2779
QY	2917	TCTTCGGGACCAAGGGCGGAGAGTGTACTGTCCGGCGCCCTGTGCTGCCCGAGGGC	2976
Db	2780	TCTTCGGAAGCAAGGAGGAGAGACTTACTCTCCCTCAACAGCATTTGTCTCAGCTGTG	2839
QY	2977	TATATGAGTGTATGCTTGTGGTGTGTGAAGCCGGAGTGTGACAGCGACACCTTTTCCC	3036
Db	2840	TGTATTAAGTGTATGCTCACTGCTGTGAAGAGATACGAAGAACCGTCCCTCATTTCCAG	2899
QY	3037	AGCTGCATCGGTCTCT 3052	
Db	2900	AAATCCACCTTGTCT 2915	

```

? APPLICANT: Ulirich, Axel
? APPLICANT: Alves, Frauke
? TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase
? NUMBER OF SEQUENCES: 43
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Penille & Edmonds
? STREET: 1155 Avenue of the Americas
? CITY: New York
? STATE: New York
? COUNTRY: U.S.A.
? ZIP: 10036-2711
?
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/336,343A
? FILING DATE: 08-NOV-1994
? CLASSIFICATION: 435
?
? ATTORNEY/AGENT INFORMATION:
? NAME: Coruzzi, Laura A.
? REGISTRATION NUMBER: 30,742
? REFERENCE/DOCKET NUMBER: 7663-065
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (212) 790-9090
? TELEFAX: (212) 869-9741/8864
?
? TELETYPE: 66141 PENNIE
? INFORMATION FOR SEQ ID NO: 5:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 3157 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: unknown
? MOLECULE TYPE: cDNA
? HYPOTHEICAL: NO
? ANTI-SENSE: NO
?
? US-08-336-343A-5

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D	2343	ACATTTTCTTAAAGGACTTTGAGACCCGACATTTGATGACAGATTTGTCGGGTTCAATCCAG	2284
Q	826	GGGCTACCGGGGTCATGAGTGTCTGTCTGCGGGTAAAGCTCTATGGCTGCTTGGAGGG	885
D	2283	TCACCCACACCTCCAGAAATGTGTATGAGATGAGATGAGCTTTTACGGCTGTCTGGCTAG	2224
Q	886	ATGAGACTCGTGTCTTACACCGCCCTGTGGGGAGAACAAATGATTTATCTGAG-----	939
D	2223	ATGGCTGGTGTCTTACAAATGCTCCAGCTGGGGAGAGATTTGATCTCCCTGGAGGTTTCCA	2164
Q	940	CCGTATACCTCAACGACCTCCACCTATGACGACATPACCGGGGGAGCTGACGATATGGG	999
D	2163	TCATTTATCTGAAATGATTTCTGTCTATGATGAGACCTTGTGATACAGATACAGAAAGG-	2103
Q	1000	GTCTGGCCAGCTGGCAGATGGTGTGTGGGGCTGATGATCTTTAGGAAGTACAGAGC	1059
D	2104	--CTAGGGCAATGACCGATGGTGTGTCTGGCTGGACATTTCCACCCAGACCATGAAAT	2047
Q	1060	TGCGGGTGGCCAGGCTATGATGATGAGAGAGAGCAACACACTTCTCCAGTGGCT	1119
D	2046	ACCAGCTGGGCCCGGCTATGACTATGTGGGCGGAGAAAGAGATGGCCCAATGGCT	1987
Q	1120	ATGTGAGATGAGATTTGATTTGATGACCGGCTGAGGGCTTCCAGGCTATGACAGTCCACT	1179
D	1986	ACATTTGAGATGATTTGATTTGATTTGACCGCATCAGGAATTTCTACTACCAATGAGAGTCCACT	1927
Q	1180	GTATCAATGACACACGCTGAGGCCGTGTGCTGGCGGGGATGATGTGCTTCGCGC	1239
D	1926	GCACAAATGTTTGTGTAAGGTGTAAGATCTTTAAAGAGGTACAGTGTACTTCCGCT	1867
Q	1240	GTGGCCCTCCATGCTGCTGGGAGGGGAGCCCATGCGCCACAACCTTAAAGGGGCACTGG	1299
D	1866	CTG---AACCCAGTGTGTGGGAACCTTAATGTCATTTCTTCCCTCTGTCTGATGAGC	1810
Q	1300	GGGACCCCGAGACCCGGGCTGTCTGATGTCGCCCTTGGCGGGCTGTGGCTCGCTTCTGC	1359
D	1809	TCACCCCACTGTCTGT	1750
Q	1360	AGTGCCTCTCTCTTGTGGGGGCGCTGTACTCTTACAGCAAAATCTCTCATCTCTG	1419
D	1749	ACTGTCAATACATTTTGTGAGATGATCTGATGATGATGATGATGATGATGATGATGATGATG	1590
Q	1420	ATGTGTGAACAATTCCTCTCTCGGCACTGGAGGACCTTCCCGGACGCGCCCTGTGGC	1479
D	1689	ATGCTGCAATGTACAAACAATCTGAAAGCCCTGCGCCACTCTCTCTA-----	1643
Q	1480	CGCTGGCCCACTCCCACTTCAAGAGCTTGGAGCTTGGAGCCCAAGCCAGCCAGCAGC	1539
D	1644	-----TGGCACTCCCAAACTTATGATC	1624
Q	1540	CCGTGGCCAAAGGCGAGGGAGCCGACCGCATCTCTCATGCGCTGTGTGGCCATCA	1599
D	1623	CAATGCTTAAATGATGAC	1564
Q	1600	TCTCTCTCTCTCTCTCATCATTTGCCCTCATCTCTGTGGGGCTGACCTGGCGAGCTCC	1659
D	1563	TCTTATCTCTCTCTCTCTCATCT	1504
Q	1660	TCAGAGAGCTGAAGGAGGGTGTGGAGAGAGAGCTGACGGTTCACTCTCTGTCTCTG	1719
D	1503	TGGAGAGGCTTCTGGAGAGATGTGTGATGATGAATGACACTCAACCTTTCCTCTCCAA	1444
Q	1720	GGGACACTATCTCTCAACAACCGCCAGTCTAGAGAGCCACCCCGTACAGAGAG	1779
D	1443	GTGATTTCAAGCATGTTCAACAT-----AACCGTCTCT	1411
Q	1780	CCCGGCTGTGGGAATCCGCCCACTCGCTCTCTGTGTCCCAATGGCTGTGCGTTGC	1839
D	1410	CATCACTAGTGAACAAAGGCTCACTGACTTACGATGAGCATCTT-----	1362
Q	1840	TGCTTCAATTCACGCTACCGCTCTTCTGTGGCACTTACGCCGCTCCCTCTCAAGGCC	1899
D	1363	-----OCCCTTCCGC	133
Q	1900	CGGGCCCCCACCACCCGCTGGGCGAAACCACCACACCCAGGCTTACAGTGGGACT	1955
D	1353	CTGACTACAGAGACCATCCAGGCTGATACGAAACCTCCAGAAATTTGCTCCAGGGAGG	1294
Q	1960	ATATGAGGCTGGAAGGACGAGGCGCCGCTTCTGCCCCCACCCTCCAGAACACGCTC	2011
D	1293	AGGAGTAGGCTGAGCGGCTTGTGAAGCACTCCACCCAGTAGTGGCCCTGAGGGGTCG	1234
Q	2020	CCCATTTATGCGGAGCTGACATTTGATTTACCTGACAGGGGCTCACCGGGGCAACACTATG	2077
D	1233	CCCATTTATGCGGAGGCTGACATTTGATTTACCTGACAGGGGCTCACCGGGGCAACACTATG	1177
Q	2080	CTGTGCTGCACTGCCCCAGGGGCACTG---GGGATGGGCCCCCAGAGTGAATTC	2136
D	1173	CAGTGCCTGCGGCTACCATGAGACCTGCTCAGGAAAGATGTGCTGTGGAGAGTTCC	1111
Q	2137	CTGATCTGCACTCGGCTTCAAGAGAAAGCTTGGCAGGGCCAGTTTGGGAGGTGCAC	2196
D	1113	CCAGAAATCTCTAATTTCAAGAGAGCTGGGAGAGAGCACTTGGGAGGTTCAATC	1051
Q	2197	TGTGTGAGTGCAGAGCCCTCAAGATGTGTCAGTCTTATTTCCCTTATGTCGCTA	2251
D	1053	TCTGTGAGTGCAGAGGAAATGAAAAATTTCAAGACAAAGATTTTCCCTAGTGTGACGTG	994
Q	2257	AGGACACCCCTTCTGCTGATCTGATCTTCAAGATCTTACGGCCAGATGCCACCAAGATGCCA	2311
D	993	CAACACAGCTGTCTGT	935
Q	2317	GCTTCTCTCTTCTTCCAGGATATTTCTGAAAGAGGTGAAGATCTGTCAGGCTCA	2371
D	936	-----CCAGGATATTTTCTTAAAGAGATTAAGATCATGTCTCGGCTCA	892
Q	2377	AGGACCCCAATATTCGCTGT	2433
D	891	AGGACCCCAATATTCGCTGT	832
Q	2437	TTCATGACTACATGGAAGAGGCGACCTCAACAGTTCCTCAAGTCCGACCAAGCTGGAGG	2496
D	831	TCATGATATCATGGAAGAGGAGATCTCAATCACTTCTTCCCGCCACGAGCCCTCA	772
Q	2497	ACAAGGACCGGAGGGGCGCTGGGAGCGGGACGCTGCGAGGGGCCACCATCACT	2556
D	771	ATCTTCTCTCAGG-----ATGTAGCAGCTGTGAGTT	739
Q	2557	ACCCATGCTGTGCTGATGTGGACGCCAGATCGGCTCCGGCATGCGCTATGTGGCACAC	2616
D	738	ACACCAATCTGAATTTATGCTTACCAAAATGCTCTGGAGTGAAGTACCTTCTCTCTC	679
Q	2617	TCAACTTTGATACGTGGGACCTGTGCAAGCGGCACTGCTGATGGGGAATTTACCA	2676
D	678	TTAATTTTGTTCACCGGATCTGTGGCCACGACAACTGTTTATGTGGTAAAGACTACAA	619
Q	2677	TCAAAATGCGAGATTTGGCATGAGCGGAACTCTATGCTGTGGGAGATTAACGTGTGC	2736
D	618	TCAAGATAGCTGACTTTGGAATGAGCAAGAACCTGTACAGTGTGATTAACGGATTC	559
Q	2737	AGGGCGGGGAGTCTCCCATCGCTGTGATGGCTGGGAGTGCATCTCATGGGAGT	2796
D			

1539 CCCGTGGCCAAAGGCGGAGGAGCCGACCCGACCTCATGGGCTGCTGGGCTATC 1598
1649 CCCATGCTTAAGTATGATGATGACACACTGGATCTGATGATGCTGGTGGCCATC 1708
1599 ATCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1658
1709 ATCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1768
1659 CTCAGCAAGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1718
1769 CTAGAAAAGGCTGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1828
1719 GGGGACATATCTCATGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1778
1829 AGCGATCTACGATGATGATGATGATGATGATGATGATGATGATGATGATG 1882
1779 CCGCGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1838
1883 TCCAACTCTACTTATGATGATGATGATGATGATGATGATGATGATGATGATG 1942
1839 CTGCTCTCAATCCAGGCTGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1898
1943 CTGATC----- 1948
1899 CCGGGCCCCCCCCACACCCGCTGGGCGCAACCCACACCCAGCTTACAGTGGGAC 1958
1949 -----CGAAGCTTCCAGAGTTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGG 1983
1959 TATATGAGCTGTGAGAAAGCCAGGCGCCGCTGCTGCGCCCGACCTCCCGACAGGCTC 2018
1984 GTAGGGGTGAGT 2038
2019 CCCCATTAATGCGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATG 2078
2039 CCCCCTATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2098
2079 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2135
2099 TGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2158
2136 CCTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2195
2159 CCGGAGAACTGTTGGCTTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2218
2196 CTGTGTGAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2255
2219 CTCTGTGAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2278
2256 AAGGAGACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2315
2279 GCCAACCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2336
2316 AGCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2375
2337 -----CGAGAAATGATTTCTTAAGGAGATCAAGATCAAGTCTGCTGCTC 2380
2376 AAGGACCCCAATCAATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2435
2381 AAGGACCCCAATCAATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2440
2436 ATTACTGATCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2495
2441 ATACAGGAATACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2500
2496 GACAAAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2555
2501 A-----GTTCTGTTCTAGTATGATGATGATGATGATGATGATGATGATGATGATG 2530
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2531 TACGCAACCTGAAATTTATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2590
2616 CTCACATTTGTATCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2675

2591 CTCAACTTTGTCCACCGAGATCTGGCCACACCAAACTTTAGTGGGCAAGAAATTACAC 2650
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2856 TGTAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2915
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2916 TTCTTCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2975
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2976 CTATATGAGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3035
2951 GTGTATAGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3010
3036 CAGCTG 3084
3011 GAATATACCT 3059

RESULT 13

US-08-237-401A-19

Sequence 19, Application US/08237401A

Patent No. 5837448

GENERAL INFORMATION:

APPLICANT: Lemke Ph.D. et al., Greg E.

TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES

NUMBER OF SEQUENCES: 54

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Fish & Richardson P.C.

STREET: 4225 Executive Square, Suite 1400

CITY: La Jolla

STATE: CA

COUNTRY: US

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/237,401A

FILING DATE: 02-MAY-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/884,486

FILING DATE: 15-MAY-1992

ATTORNEY/AGENT INFORMATION:

NAME: Halle Ph.D., Lisa A.

REGISTRATION NUMBER: 38,347

REFERENCE/DOCKET NUMBER: 07231/007001

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 678-5090

TELEFAX: (619) 678-5099

INFORMATION FOR SEQ. ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 3120 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

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; IMMEDIATE SOURCE:
; CLONE: Tyro-10
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 485..3047
US-08-237-401A-19

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Query Match	16.1%	Score 639.8	DB 2	Length 3120
Best Local Similarity	56.5%	Pred. No. 4.5e-142		
Matches 1552: Conservative	0	Mismatch: 0		

[illegible]

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Db	1463	GTGA	AC	CC	CA	GG	AG	CT	CC	CG	GT	TT	GT	CA	GG	GT	GG	CC	CT	CA	CC	CA	GC	AA	TT	GG	CC	AG	1522
Qy	1359	CAGT	GC	CG	CT	CT	CT	CT	TT	GG	GG	GG	CC	CT	GG	TT	AC	TT	CA	GG	AA	TA	TC	CT	CA	CT	CT	1418	
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Qy	1419	GATG	GT	GT	GA	AA	CA	AT	TC	CT	CC	GG	AC	TC	GG	AG	GC	CA	CT	TC	CG	GC	CA	GG	CC	CT	GG	1478	
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Qy	1779	CC	CG	GC	CG	CT	GG	GA	AT	CC	GG	CC	CA	CT	CC	GC	TC	GT	TC	CC	CA	AT	GG	CT	GG	CT	GG	1838	
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Qy	1899	CC	GG	CC	CC	CC	CA	AC	CC	CG	CT	GG	CC	AA	AC	CC	CA	CA	CC	CA	AG	CC	TC	AG	CT	GG	GC	1958	

